

KEL'IAOV, A.I., ILLARIOMOV, V.V.

Structure of  $P_2O$  and red phosphorus. Khim. strukt.khim. §  
no. 2:242-245 Mr-Ap '64.  
(MIRA 1786)

Ural'skiy institut upobrany i inzeksionnogo imeni  
D.A.Y.Samoylova.

SOKIAROV, A.I.; DOREMAN, M.D.

Structure of the roentgenomorphic minerals of the chinglusuite-hisingerite group. Trudy Min. muz. no.15:167-175 '64. (MIRA 17:11)

VIDENOVA, R.R.; SOKLAKOV, A.I.; POSTNIKOV, N.N.

Roentgenography of coke and graphite saturated with sodium chloride. Khim i industriia 36 no.10:371-373 '64.  
1. Institute of Mining Geology, Sofia. Submitted October 16,  
1964.

SOKIakov, A.I.; YARINOVA, T.I.

Powder pattern of rhenium heptoxide. Trudy NIUIF no.208:142-  
145 '65.  
(MIRA 18:11)

SOKLAKOW, F.V., inzhener.

Standard tubular scaffolding produced by the All-Union Scientific Research Institute for the Organization and Mechanization of Construction to be used for finishing and brickwork. Stroi.prom. 25 no.10:12-15 O '47. (MLRA 9:1)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut po organizatsii i mekhanizatsii stroitel'stva.  
(Scaffolding)

SOKLAKOV, F. V.

Directions and regulations in the field of masonry work; in force 8 January 1950.  
Moskva, Gos. izd-vo stroit. lit-ry, 1950. 110 p. (52-39637)

TH5501.R85 1950

SOKLAKOV, F.V.; LEVINSON, A.Ye., redaktor.

[High-speed methods of bricklaying] Vysokoproizvoditel'nye metody kirkichnoi kladki. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitektur, 1953. 97 p. (MLRA 7:1)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii i mekhanizatsii stroitel'stva. (Bricklaying)

1. SOKLAKOV, F.V.; PARSADANOVA, MELIK A. I.

2. USSR (600)

4. Masonry

7. Testing and selecting tools and devices for stone work, Engs. F.V. Soklakov, A.I. Melik-Parsadanova, Stroitel'stvo no. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

KARDO-SYSOYEV, F.N., inzhener; GROSS, K.M., instruktor peredovykh metodov  
truda; SOKLAKOV, F.V., inzhener, nauchnyy redaktor; KRYUGER, Yu.,  
redaktor izdatel'stva; MEL'NICHENKO, F.P., tekhnicheskiy redaktor

[Manual for concrete block assemblers; assembling foundations from  
large blocks] Pamiatka betonshchiku-montazhniku; montazh fundamentov  
iz krupnykh blokov. Moskva, Gos. izd-vo lit-ry po stroit. i  
arkhitektury, 1956. 38 p.  
(MIRA 10:1)

1. Moscow. Gosudarstvennyy institut po vnedreniyu peredovykh metodov  
rabot i truda v stroitel'stve. 2. Gosudarstvennyy institut Orgstroy  
Ministerstva stroitel'stva metallurgicheskoy i khimicheskoy promysh-  
lennosti SSSR (for Kardo-Sysoyev, Gross)  
(Foundations) (Concrete blocks)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001651920014-2

SOKLAKOV, F., inzhener; MELIK-PARSADANOVA, A., inzhener.

Large brick blocks made at the building site. Stroitel' 2 no.4-5:8-9  
(MIRA 10:1)

Ap-My '56.  
(Moscow--Building blocks)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001651920014-2"

SOKLAKOV, F., inzhener; OGOMTSOV, A., kandidat tekhnicheskikh nauk.

Clamps for hoisting large bricks blocks. Stroitel' 2 no.7:13 Jl'56.  
(MIRA 10:1)

(Hoisting machinery)

SOKLAKOV, F.

Dismountable plug for fastening exterior scaffolds. Stroitel' no.3:14  
(MLRA 10:4)  
Mr '57.

1. Rukovoditel' laboratorii kamennykh rabot Vsesoyuznogo nauchno-  
issledovatel'skogo instituta organizatsii i mekhanizatsii stroitel'-  
stva.  
(Scaffolding)

SOKLAKOV, F.

SOKLAKOV, F., inzhener; OGOL'TSOV, A., inzhener; GRIGOROVICH, M., inzhener.

Improved clamp construction. Stroitel' no. 4:18 Ap '57. (MIRA 10:6)  
(Scaffolding)

SOKLAKOV, F.V., starshiy nauchnyy sotrudnik

Establishment of norms for time consumed in the construction of apartment houses. Trudy MIEI no.15:324-330 '61.

1. Nauchno-issledovatel'skiy institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi Akademii stroitel'stva i arkhitektury SSSR.

(Apartment houses)

SOKLAKOV, P.

After the conference. Voen. znan. 25 no.5:20 My '49.  
(Ryazan Province--Military education) (MIRA 12:12)

SOKLAKOVA, V.S.

Evaluation of different methods of treatment of tuberculous meningitis in children and their effect on the nature of further complications. Zdrav. Kazakh. 23. no.2:53-55:63.

(MIRA 16:10)

1. Iz detskoy bol'nitsy No.1 g. Ust'Kamenogorska.  
(MENINGITIS — TUBERCULOSIS)

BUFALOVA, K. P.; SOKLAKOVA, Ye. V.

Present status and prospects for developing the resources of  
mineral fertilizers. Sov. geol. 5 no.10:68-74 O '62.  
(MIRA 15:10)

1. Vsesoyuznyy geologicheskiy fond.  
(Fertilizers and manures)

U.S.S.R., 1.

Bibliography of the oil-bearing regions in northern Soviet U.S.S.R.  
Leningrad, 1951, Vol. 5/7, 1951/52 (published 1952).

Monthly List of the European Accidents, (U.S.), 25, Vol. 4, no. 11, Oct. 1958,  
"vol.

DOKING I.

410. Oil exploration in Northern Bosnia. I. Bokšić. *Nauka* (Yugoslavia), Nov. 1953, 4, 245-51. The existence of oil deposits in Northern Bosnia was recorded as far back as 1908. This has given rise to deep exploratory drillings before the first world war at Zavid, Dolovi, Pezatnica, and Ruzanj. The oil carriers in this area are located in the Eocene or Oligocene, and are highly disturbed, thus being without significance for the commercial production of oil. From 8 positive wells about 800 tons of oil were obtained in the course of 2 years. In 1951 the exploration of Miocene strata of the anticline Ravina Trstenja at Turča was undertaken. Drilling of the first well met with edge water. At present the higher parts of the structure are being explored. The latest geological and geophysical explorations are directed towards the area near the River Sava (Bosanska Posavina), as there are prospects for finding oil in strata of the Upper Miocene and Pliocene, which are linked to the neighbouring oilfields in Croatia and Slavonia.

(Author's abstract.)

JFM  
JST

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CIA-RDP86-00513R001651920014-2

- 1 -

RECORDED IN THE TRAILING TRAIL OF THE AIRPORT  
TOURIST, 27. 10. 67, (1967, NOV. 5, NO. 1), SEPTEMBER 1967, TAIPEH, TAIWAN.  
THE AIRPORT IS LOCATED IN THE TAIPEI AIRPORT TERMINAL, TAIPEI, TAIWAN.

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001651920014-2"

SOKMAN, A. I.

Satellite Technical Review  
July 1954  
Agriculture

6  
9101 • Chemical Control Measure for Brushwood. (USSR  
Sel'skogo Khozyaistva Nauki i Peredelivaniya Opyta v  
slan.) A. I. Sokman. Dostizheniya Nauki i Peredelivaniya Opyta v  
Effective, economical methods for spraying 2,4-dichlorophenoxy-  
acetic acid (2,4-D) on undesirable scrub growths. Photograph.

SOKMAN, A. I.

SOKMAN, A. I.

Chemical clearing of meadows. Nauka i zhizn' 21 no.6:48 Je '54.  
(MLRA 7:6)  
(Dichlorophenoxyacetic acid)

*24-1-1947-7400*  
PERIODICA MEDICA SEC 9 Vol. 9/12 Surgery Dec 55

6407. SOKODI-DIMITROV P. D. 1st surg. Clinic, med. Fac., Budapest Univ.  
\*Surgical treatment of bronchial asthma. A modified  
method of operation CHIRURGIYA (Sofia) 1953, 6/10 (577-589)  
illus. 5

The following procedure is proposed: bilateral intrathoracic vagosympathetic resection. The right side is operated first and 1-3 months later the left side. The approach is through the posterior part of the 4th intercostal space for the right side and of the 5th for the left. Fourteen cases were operated on - 10 bilaterally and 4 unilaterally without a death. Postoperative spontaneous pneumothorax occurred in 2 cases, empyema occurred in one case, but it responded well to antibiotic treatment. The follow-up period (12 months) is not long enough to draw final conclusions, but the early results are very encouraging.

Conforty - Sofia (IX, 6)

SOKODI-DIMITROV, D.,; GERGE, P.(Budapesht)

Recovery after a 3-minute cardiac arrest. Klin. med. 34 no.1:69-73  
'56. (MIRA 9:5)

1. Iz I Khirgicheskoy kliniki Budapeshtskogo universiteta.  
(CARDIAC ARREST, ther. resuscitation)  
(RESUSCITATION  
in cardiac arrest)

USSR / General Biology. Individual Development.

B

Abs Jour : Ref Zhur - Biol., No 19, 1958, No 35573

Authors : Sokodovskaya, I. I.; Drozdova, L. P.; Golysheva, I. G.; Korotkov, A. I.; Maksimov, Yu. V.; Lebedeva, V. A.

Inst : All-Union Academy of Sciences imeni V. I. Lenin  
Title : Improvement of Medium for Sperm of Farm Animals.

Orig Pub : Dokl. VASKhNIL, 1956, No. 7, 17-24

Abstract : Addition to media for sperm of 200-1,000 units of potassium salt of penicillin, 200 units streptomycin chloride, 1 mg white streptocid, and combination of these substances or 2.5% glycerin to 1 ml of bull's or ram's sperm inhibits the growth of saprophytic microflora, while at the same time preserving sperm mobility and their impregnation capacity when samples are .

Card 1/2

KALITIN, Nikolay Trofimovich; KOGAN, Naum Grigor'yevich; GOROBETS, Alla  
Borisovna; SOKOLOV, N.N., inzhener, redaktor; BOBROVA, Ye.N., te-  
knicheskiy redaktor

[Maintenance of railroad tracks in sections with electric traction,  
automatic blocking, and electric switch centralization] Soderzhanie  
puti na uchastkakh s elektricheskoi tiagoi, avtoblokirovkoi i elektri-  
cheskoi tsentralizatsii strelok; opyt puteitsev Sverdlovskoi dorogi.  
Moskva, Gos. transp. zhel-dor. izd-vo, 1957. 63 p. (MIRA 10:4)  
(Railroads--Track)

SOKOL, A.

"Forest Seed Production under the Influence of Creative Biology." p. 193, Bratislava,  
Vol. 6, 1951.

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

sov/85-58-12-17/38

AUTHOR: Sokol, A., Member of DOSAAF Plant Committee, Omsk

TITLE: First Take-Offs (Pervyye podlety)

PERIODICAL: Kryl'ya rodiny, 1958, Nr 12, p 10 (USSR)

ABSTRACT: The author tells of a trip made by a group of glider-piloting trainees to the Omskiy aeroklub (Omsk Aeroclub) for their first take-offs in the ER0-9 and ER0-11 glider planes. Personalities mentioned include Gennadiy Borisovich Stanislavskiy, leader of the glider-piloting unit, and Grigoriy Sergeyevich Zverev, instructor. There is 1 photograph.

ASSOCIATION: Omskiy Aeroklub (Omsk Aeroclub)

Card 1/1

SOKOL, H.

## CZECH

Electrophoretic investigations of the serum proteins in rabbits during hyperimmunization against swine erysipelas. A. Sokol, A. Milář, J. Rosocha, M. Špeník, and D.

Mikla (Veterinár. Čak., Košice, Czech.). Veterinársky Časopis 3, 121-32 (1954).—The reaction of rabbits to successive, periodic injections of the bacilli was followed by microelectrophoresis of serum proteins on paper. The 1st week brought a significant rise in the  $\alpha$ -globulin fraction (I). During the 2nd week it returned to normal values and a striking rise of the  $\gamma$ -globulin fraction (II) was observed. The albumins showed from the beginning a tendency to fall which became especially significant at the time of rise of II.

L. J. Uchicago

SOV/137-59-4-8131

Translation from: Referativnyy zhurnal, Metallurgiya, 1959, Nr 4, p 114 (USSR)

AUTHOR: Sokol, A., Domogatskiy, V.

TITLE: Automatic Welding of Annular Seams

PERIODICAL: Byul. tekhn.-ekon. inform Sovnarkhoz Orlovsk. ekon. adm. r-na, 1958,  
Nr 3, pp 15 - 17

ABSTRACT: Information is given on automated welding of hollow cylindrical work pieces made of 3.5 mm thick "30KhGSA" steel. Manual welding applied previously required the use of expensive "VII0-6 (101" electrodes and high-quality welding operators. Weld joints carried out with low labor efficiency were frequently non-fused, contained slag impurities, etc. The author present the basic electrical circuit of an automated installation which includes a PSh-5 semi-automaton, two SUG-2r welding generators and a device for rotating the work piece. Best results were obtained by automatic arc welding of the work on an extensible copper backing with preliminary heating. The circuit diagram of the installation

Card 1/2

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SOKOL, A.A.

Using cranes for unloading pyrites. Rech.transp. 18 no.5:47  
My '59. (AIRA 12:9)  
(Pyrites--Transportation) (Cranes, derricks, etc.)

SOKOL, A.F.

Complications following subcutaneous administration of  
camphor oil. Vrach. delo no.10:147-149 O '63.  
(MIRA 17:2)

1. Vinnitskaya rayonnaya bol'nitsa.

2C

L 34557-65 EWT(m)/EWP(w)/EWA(d)/T/EWP(t)/EWP(b) MJW/JD

ACCESSION NR: AR5004785

S/0137/64/000/010/1046/1046

27

SOURCE: Ref. zh. Metallurgiya, Abs. 10I299

26

73

AUTHOR: Braun, M. P.; Vinokur, B. B.; Sevruk, B. A.; El'kina, T. P.;  
Sokol, A. M.; Zaletskiy, G. I.; Mirovskiy, E. I.

TITLE: Properties of 20KhGSVT non-nickel steel

CITED SOURCE: Sb. Legirovaniye stalej. Kiyev, Gostekhnizdat USSR,  
1963, 32-40

TOPIC TAGS: metal mechanical property, steel hardening,  
temperature dependence, nickel economy, cementation, heat treatment/  
20KhGSVT steel, 20KhNZA steel

TRANSLATION: A study of the effect of hardening temperature (880,  
930, and 980°) on the mechanical properties of 20KhGSVT cemented  
steel (containing in %: 0.2 carbon, 1.26 manganese, 1.09 chromium,  
0.87 silicon, 0.82 tungsten, 0.09 titanium) showed that with an  
increase in this temperature the strength properties increase while  
ductility decreases. Tempering of normalized samples up to 300°

Card 1/2

L 34557-65

ACCESSION NR: AR5004785

leads to practically no change in  $\sigma_b$ , while tempering up to  $400^\circ$ .  
Translator's note: Word apparently missing here. /  $\sigma_s$ . After  
tempering at temperatures above  $400^\circ$  the strength properties  
decrease while malleability and ductility increase. After hardening  
from  $900^\circ$  and tempering at  $500$  and  $600^\circ$  a slight tendency towards  
temper brittleness develops. Tempering at  $650^\circ$  leads to a 35%  
decrease in  $a_k$  as a result of slow cooling. However, even in the  
brittle state the steel has an  $a_k$  equal to  $8-9 \text{ kgm/cm}^2$ . After  
hardening from  $900^\circ$  and tempering at  $600^\circ$ ,  $a_k$  is greater than  $4$   
 $\text{kgm/cm}^2$  at  $-115^\circ$ . A study of the tendency of 20KhGSVT steel toward  
cementation under various conditions showed that it has more of a  
tendency toward cementation than 20KhNZA steel. It is recommended  
that 20KhGSVT steel be substituted for 20KhNZA steel. I. Tulupova.

SUB CODE: MM

ENCL: 00

Card 2/2

Schul, M. A.

"Investigation of the Wear Resistance of Agricultural Machine  
Parts Manufactured of High Strength Cast Iron With Glycerin  
Graphite." Sovnauka Sci, Kiev Agricultural Inst, Kiev, 1954.  
(RZhKh, No 1, St. 54)

SG: Sum 432, 29 Mar 55

BEREZIN, P.G.; LAVRUK, I.V.; SOKOL.A.N.

Effect of the size of the specimen on mechanical wear testing data.  
Zav.lab.21 no.7:881-882 '55. (MIRA 8:10)  
(Mechanical wear)

SO.OL, V. N.

Aluminum Engine Cylinders With Chrome-Plated Working Surface

Povysheniye iznosostoykosti i sraka sluzhby mashin. t. 2 (Increasing the Wear Resistance and Extending the Service Life of Machines. v. 2) Kiyev, Izd-vo AN UkrSSR, 1960. 290 p. 3,000 copies printed.(Series: Its: Trudy, t. 2)

Sponsoring Agency: Vsesoyuznoye nauchno-tehnicheskoye obshchestvo mashinostroitel 'noy promyshlennosti. Tsentral 'noye i Kiyevskoye oblastnoye pravleniya. Institut mekhaniki AN UkrSSR.

Editorial Board: Resp. Ed.: E. D. Grozin; Deputy Resp. Ed.: D. A. Draygor; M. P. Braun, I. D. Faynerman, I. V. Kragel 'skiy; Scientific Secretary: M. L. Barabash; Ed. of v. 2: Ya. A. Samokhvalov; Tech. Ed.: N. P. Rakhlina.

COVERAGE: The collection contains papers presented at the Third Scientific Technical Conference held in Kiyev in September 1957 on problems of increasing the wear resistance and extending the service life of machines. The conference was sponsored by the Institut stroitel 'noy mekhaniki AN UkrSSR (Institute of Structural Mechanics of the Academy of Sciences Ukrainian SSR), and by the Kiyevskaya oblastnaya organizatsiya nauchno-tehnicheskogo obshchestva maskinostroitel 'noy promyshlennosti (Kiyev Regional Organization of the Scientific Technical Society of the Machine-Building Industry).

BRAUN, M.P.; KOSTYRKO, O.S.; LITENKO, N.T.; SOKOL, A.N.; VINOKUR, B.B.;  
MIRCVSKIY, E.I.

Steel plasticity in high temperature fields. Izv. vys. ucheb.  
zav.; chern. met. no.2:57-61 '60. (MIRA 15:5)

1. Ukrainskaya akademiya sel'skokhozyaystvennykh nauk.  
(Steel--Testing)  
(Metals at high temperature)

S/148/60/000/002/003/008

AUTHORS: Braun, M.P., Kostyrko, O.S., Litenko, N.T., Sokol, A.N.,  
Vinokur, B.B., Mirovskiy, E.I.

TITLE: Ductility of Steel in the Range of High Temperatures <sup>14</sup> <sub>18</sub>

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Chernaya metallurgiya,  
1960, Nr 2, pp 57 - 61

TEXT: The authors investigated the effect of elevated heating temperatures of steel on its ductility and workability by pressure. Carbon 45, 18 Chromium 55Kh and chrome-nickel-titanium 5KhNT steels were investigated. Their composition is given in a table. The specimens were subjected to impact tests, static tension and dynamic jolting. Prior to deformation, the 45 steel specimens were preheated from 1240° to 1270°C, 55Kh specimens from 1220° to 1250°C and 5KhNT from 1180° to 1210°C. Results of tests are given in graphs (Figures 1, 2, 3). They show that a raise of temperature by 30°C does not reduce ductility and workability by pressure of the steels. Within the range of high temperatures (1100° - 1200°C) ductility of 5KhNT steel exceeds that of 55 Kh and 45 grade steel due to speeded-up development of

VB

3

Card 1/2

S/148/60/000/002/003/008

Ductility of Steel in the Range of High Temperatures

recrystallization processes. It appears from graphs 1, 2, 3 and a set of photographs (4) that higher content of C, Cr, Ni and particularly Ti speeds up the recrystallization processes. Addition of Cr, Ni, Ti and C atoms reduces the interatomic attraction in austenite crystals; this appears in the lower melting temperature of 5KhNT steel in comparison to 55Kh and 45 grade steel.  
There are: 1 table, 3 sets of graphs, 1 set of photographs and 4 Soviet references.

ASSOCIATION: Ukrainskaya akademiya sel'skokhozyastvennykh nauk (Ukrainian Academy of Agricultural Sciences)

SUBMITTED: February 12, 1959

VB

Card 2/2

## PHASE 1 BOOK EXPLOITATION

SOV/511

Kauchukotekhnicheskoye obshchestvo mazhnitrettelynyi v. 1  
Kiyevskoye oblastnoye pravleniye.

Metallovedeniye i termicheskaya obrabotka fizicheskikh materialov i heat  
Treatment of Metals) Kirov, Fizhertz, 1951. 320 p. Errata slip  
inserted. 5,000 copies printed.

Sponsoring Agency: Gosudarstvennyy nauchno-tehnicheskyy komitet  
Soveta Ministrov SSSR. Kauchno-tekhnicheskoye obshchestvo dve  
mashinostroitel'noy promstilenosti. Kiyevskoye oblastnoye  
pravleniye.

Editorial Board: M. P. Braun, Doctor of Technical Sciences, I. Ya.  
Dekhtyryr, Doctor of Technical Sciences, D. A. Draygor, Doctor of  
Technical Sciences, I. S. Kamenichkaya, Engineer, A. Mar'yav-  
skiy, Candidate of Technical Sciences, V. G. Perelyuk, Doctor  
of Technical Sciences, and A. V. Chernovol, Candidate of Tech-  
nical Sciences; Ed.: M. S. Soroka; Transl.: V. S.  
Gorciatsayol'skaya; Chief Ed., Kishchik (Southern Rpt.); V. N.  
Seryuk, Engineer.

Card 1/20

PURPOSE: This collection of articles is intended for scientific  
workers and technical personnel of research institutes, plants,  
and schools of higher technical education.

COVERAGE: The collection contains papers presented at a convention  
held in Kiyev on problems of physical metallurgy and methods of  
the heat treatment of metals applied in the machine industry.  
Phase transformations in metals and alloys are discussed, and  
results of investigations conducted to ascertain the effect of  
heat treatment on the quality of metal are analyzed. The pos-  
sibility of obtaining metal with given mechanical properties  
is discussed, as are problems of steel brittleness. The col-  
lection includes papers dealing with kinetics of transformation,  
heat treatment, and properties of cast iron. No personalities  
are mentioned. Articles are accompanied by references, mostly  
Soviet.

## TABLE OF CONTENTS:

Strelupin, A. I., Engineer, and L. A. Mol'nikov (Sverdlovsk). Transformation of Austenite into Martensite Under High Pressure	12
Brusilovskiy, B. A., Engineer, and F. J. Ivanov (Krasnodar). X-Ray Investigation of the Decomposition Kinetics of Martensite in Tempering at Low Temperature	15
Kocherzhinskii, Yu. A., Candidate of Technical Sciences (Kiyev). Conditions of Formation of Metastable Austenite in Iron-Carbon Alloys	22
Mirovsky, E. I., Engineer (Kiyev). The Nature of the Phase Transformation of Carbon Steels	24

Card 3/10

Physical Metallurgy (Cont.)	SOV/5511
Razin, Ya. R., Engineer (Moscow). On the Nature of the Critical Degree of Strain	44
Sadovskiy, V. D., Engineer, and G. N. Borzakov (Sverdlovsk). On the Problem of the Phase Recrystallization of the Q13L Cast Steel	54
Pervjakov, V. G., Engineer, and M. V. Policus (Kiyev). The Changes in the Carbide Phase During the Tempering of Carbon, Silicon, and Aluminum Steels	62
Cheretkin, V. T., Candidate of Technical Sciences (Kiyev). Tempering of Carbon Steel by Using Electric Heating	75
Golovan', N. A., Engineer (Kiyev). Concentration of Carbides in a Martensitic Needle	85
Baranov, S. M., Doctor of Technical Sciences, Professor (Leningrad). Effect of Silicon Monoxide on the Properties of Steel	92

Physical Metallurgy (Cont.)	SOV/5511
Sazonov, B. G., Candidate of Technical Sciences (Sverdlovsk). Investigating the Influence of the Heating Rate and the Initial Structure on the Phase Recrystallization of Steel and Recrystallization of Austenite as Stimulated by the Phase-Hardening Effect	97
Litov, O. K., Engineer (Kiyev). Basic Principles of Rapid Recrystallization of Low-Carbon Steel	106
Larikov, L. N., Engineer (Kiyev). Investigating the Effect of Aluminum and Chromium Additions on the Recrystallization Kinetics of $\alpha$ -Iron	114
Sokolov, A. N., Candidate of Technical Sciences, O. S. Kostyrko, Engineer, E. I. Mirovskiy, B. V. Vinogradov, and M. P. Bryukhanov. Doctor of Technical Sciences, Professor (Kiyev). Plasticity of Steels Within the Pressworking Temperature Range	121
Vinogradov, B. B., Engineer, E. I. Mirovskiy (Kiyev) and A. N. Geller (Kramatorsk). Effect of the Increase of Forging	

Physical Metallurgy (Cont.)	SOV/5511
Temperature on the Mechanical Properties of Large Forgings	127
Bryunin, I. Ye., Doctor of Technical Sciences, Professor (Stalino), V. A. Kharchenko, Engineer and A. I. Konukhov (Kramatorsk). Experimental Investigation of Stress Distribution in the Cross Section of a Bent Bullet as Related to Pinking	132
Burinov, S. M. (Leningrad). Hydrogen as a Surface-Active Admixture in Alloys	138
Kostyrko, O. S., Engineer (Kiyev). Plates in Steel	146
Mirovskiy, E. I., Engineer, A. L. Geller (Kramatorsk), B. B. Vinogradov, and M. P. Braun (Kiyev). The Effect of the Duration of Heating Before Forging on the Ductility of Steel	152
Ovcharach, V. V., Engineer, and D. M. Bo'shutkin (Khar'kov). Mechanism of the Cavitation Erosion of Metals	157

Card C/AO

BRAUN, M.P., doktor tekhn.nauk; VINOKUR, B.B., inzh.; SEVRUK, B.A., inzh.;  
EL'KINA, T.P., inzh.; SOKOL, A.N., kand.tekhn.nauk; ZALETSKIY, G.I.,  
kand.tekhn.nauk; MIROVSKIY, E.I., inzh.

Replacing the chrome-nickel steel 20KhNZA with the carburizing steel  
20KhGSVT. Mashinostroenie no.3:58-62 My-Je '62. (MIRA 15:7)  
(Steel alloys--Testing)

L 11.009-65 EWT(m)/EWA(d)/EWP(t)/EWP(b) AFTC(p) MJW/JD  
ACCESSION NR: AR4045892 S/0137/64/000/007/I057/I057

SOURCE: Ref. zh. Metallurgiya, Abs. 7I361

AUTHOR: Sokol, A. N.; Mirovskiy, E. I.; Braun, M. P.; Vinokur, B. B.;  
Popov, N. V.; Kalinichev, M. A.

TITLE: Non-nickel alloy steels for heavily loaded parts

CITED SOURCE: Sb. Legirovaniye stalej. Kiyev, Gostekhizdat USSR,  
1963, 41-46

TOPIC TAGS: alloy steel, load, steel bolt, connecting rod bolt, bolt

TRANSLATION: The structure and properties of 40KhN, 40Kh, 45G2, and  
30KhGSA steels were investigated for the purpose of choosing the  
correct material for connecting rod bolts. Practical tests were also  
carried out of connecting rod bolts under elongation and with cyclic  
elongation-compression loads at a frequency of 1,000 cycles/min under  
a stress on a minimum cross section area of the bolt of 20-24 kg/mm<sup>2</sup>.  
Elongation tests showed that 45Kh, 45G2, and 30 KhGSA steels guarantee  
the required strength of the bolt. In fatigue tests, the largest

Card 1/2

L 14009-55

ACCESSION NR: AR4045892

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number of cycles up to destruction was registered for 30KhGSA steel, which also showed the minimum sensitivity to a concentration of stresses. The series of tests showed that the use of 40KhN steel for connecting rod bolts is not recommended. Based on data for strength, hardenability, and structure, the use of 30KhGSA steel is recommended.

SUB CODE: MM, AS

ENCL: 00

Card 2/2

L 03769-67 ENT(d)/ENT(m)/T/EMP(t)/ETI IJP(c) JD/DJ  
ACC NR: AP6019852 (A, N) SOURCE CODE: UR/0418/66/000/001/0079/0081

AUTHOR: Popov, N. V. (Engineer); Braun, M. P. (Doctor of technical sciences); Sokol,  
A. N. (Candidate of technical sciences); Zaletskiy, T. I. (Candidate of technical sciences)

44  
B

ORG: None

TITLE: High-quality steel for tractor transmission gears 17

SOURCE: Tekhnologiya i organizatsiya proizvodstva

TOPIC TAGS: nickel steel, tempering, transmission gear, contact stress, tensile strength

ABSTRACT: The authors discuss the development of a series of grades of steel containing small amounts of nickel and therefore less expensive than chrome-nickel steel. The new grades have been used and tested at the Department of Metal Technology of USKhA and the Central Plant Laboratory of the Volgograd Tractor Plant. This Plant Laboratory has proposed a new grade of steel \*(251 KhGSNT) with the following composition (in %): C 0.20-0.26, Mn 1.0-1.3, Si 0.8-1.0, Cr 1.1-1.4, Ni 0.9-1.2, Ti 0.05-0.10, P less than 0.04 and S less than 0.05. The mechanical properties of this new steel were compared with those of 20KhNZA high-nickel steel after normalization by pseudocarbonization, quenching and low-temperature tempering. This comparison showed that the mechanical

Card 1/2 \* 20XH3A

\*\* 25XHT

UDC: 669.15:621.833

L 03769-67

ACC NR: AP6019852

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properties of the new grade of steel are superior to those of 20KhNZA. Additional tests were carried out to determine the applicability of the new grade of steel in making parts, and in particular its ability to withstand heavy loads such as those which occur in tractor transmissions. The sensitivity of this steel to concentrated stresses was studied by bending circular specimens with annular cuts. Analysis of the results shows that 25KhGSNT steel is less sensitive to concentrated stresses than 20KhNZA steel. The contact strength of the steel was also tested on a three-roller machine made by the Institute of Mechanics of the Academy of Sciences UkrSSR. Stresses at the point of contact during testing were  $200-450 \text{ kg/mm}^2$  with a test base of  $10^7$  cycles. The tensile strength of the new steel is  $300 \text{ kg/mm}^2$  while that of 20KhNZA is  $250 \text{ kg/mm}^2$ . Products made from 25KhGSNT steel require moderate cooling after normalization. This steel has been used by the Volgograd Tractor Plant for several series of gears in the transmissions of the DT-54A and DT-75 tractor engines. Tests of these gears under operating conditions show satisfactory results. The new grade of steel gives a savings of 20-25 kg of nickel per ton of steel, an economy of more than 2 kg of nickel per transmission. Orig. art. has: 3 tables.

SUB CODE: 11, 13/ SUBM DATE: none

Card 2/2 tdk

L 63197-65 EWT(m)/EWA(d)/EWP(v)/T/EWP(t)/EWP(k)/EWP(z)/EWP(b)/EWA(c)  
ACCESSION NR: AP5018520 MJW/JD/HM

UR/0304/65/000/004/0049/0052  
669.115-194:621.882.621.827

AUTHORS: Popov, N. V. <sup>44,55</sup> (Engineer); Braun, M. P. (Doctor of technical sciences);  
Vinokur, B. B. <sup>44,55</sup> (Candidate of technical sciences); Sokol, A. N. (Candidate of <sup>44,55</sup>  
technical sciences); Zaletskiy, G. I. (Candidate of technical sciences) <sup>44,55</sup>

TITLE: Optimum composition and thermal treatment for steels for tractor parts <sup>44,55</sup> B

SOURCE: Mashinostroyeniye, no. 4, 1965, 49-52

TOPIC TAGS: steel, mechanical property, carbon steel, machine part, stress  
measurement, heat treatment/ 40KhN steel, 30KhGSA steel, 45Kh steel, 45G2 steel

ABSTRACT: Four kinds of steel (40KhN, 30KhGSA, 45Kh, 45G2) for connecting rod  
bolts and three kinds (45Kh, 45G2, improved 45) for connecting rods were studied.  
Numerical data are presented in text and are tabulated. For bolts the design  
stipulated a HB 288-314 hardness, 109-95 kg/cm<sup>2</sup> tensile strength, 11.4-8.6 kg/cm<sup>2</sup>  
impact toughness. These properties can be obtained in 40KhN steel by oil hardening  
and tempering at 500-550°C. Similar properties can be obtained in 45Kh, 45G2, and  
30KhGSA with an increased C content. Oil hardening of 18-mm diameter specimens

Card 1/3

L 63197-65

ACCESSION NR: AP5018520

resulted in a martensite structure throughout in 40KhN, and a martensite-bainite mixture at the centers of 45Kh and 45G2. The design of the D-54 engine stipulated a 110 kg/mm<sup>2</sup> tensile strength. Steels with a nickel content performed better than the heat-treated 40KhN. The fatigue limit was 50 kg/mm<sup>2</sup> for 45G2, 46 kg/mm<sup>2</sup> for 30KhGSA, and 44 kg/mm<sup>2</sup> for 40KhN and 45Kh. In view of the pulsating character of the stresses in bolts, a total stress of 42 kg/mm<sup>2</sup> and an initial stress of 20 kg/mm<sup>2</sup> are recommended. Fatigue failures in service were investigated. Steel 30KhGSA showed a lower susceptibility to stress concentration. A 4-year survey of four kinds of bolts in actual service indicates that 45Kh and 45G2 are suitable for medium power engines, and 30KhGSA for higher powers. For connecting rods a HB 229-255 hardness was required. This was obtained with tempering at 570-630°C. The other requirements were: the tensile strength was 79-88 kg/mm<sup>2</sup>, the yield point of 67-79 kg/mm<sup>2</sup>, elongation per length unit of 16-18%, section contraction of 60-65%, impact toughness of 11-13 kg.mt/cm<sup>2</sup>. After normalization, the improved 45Kh and 45G2 answered these specifications. The connecting rods were tested in special testing machines. The fatigue limit of 45G2 was only 7%, and of 45Kh only 20% lower than that of the improved 45 steel. A 1-year survey of nearly 4000 operating tractors led to the conclusion that 45G2 with a simplified thermal treatment can be successfully and economically used for connecting rods. The same

Card 2/3

L 63197-65

ACCESSION NR: AP5018520

steel in its improved form possesses even better mechanical properties. Orig. art. has: 4 tables.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: MM, IE

NO REF SOV: 000

OTHER: 000

Bolting

*mrb*  
Card 3/3

SOKOL, A.S.

Treating cardiovascular disorders in patients with infectious  
diseases. Vrach.delo no.6:569-573 Je '57. (MLRA 10:8)

1. Chernovitskiy meditsinskiy institut  
(CARDIOVASCULAR SYSTEM--DISEASES)

SOKOL, A.S.

Clinical and epidemiological features of Botkin's disease in pre-school children [with summary in English]. Pediatriia 36 no.4:15-17  
(MIRA 11:5)  
Ap'58

1. Iz Kafedry infektsionnykh bolezney Chernovitskogo meditsinskogo  
instituta.  
(HEPATITIS, INFECTIOUS)

SOKOL, A. S.

Pathogenetic treatment in Botldn's disease. Vrach. delo no.3:  
117-121. № 162.

(MIRA 15:7)

1. Kafedra infektsionnykh bolezney Chernovitskogo meditsinskogo  
instituta.

(HEPATITIS, INFECTIOUS)

L 28431-66 EWT(1)/T JK

ACC NR: AP6019123

SOURCE CODE: UR/0016/65/000/011/0138/0139

AUTHOR: Zatulovskiy, B. G.; Sokol, A. S.; Bondarenko, V. I.; Chernaya, T.T.  
Shkol'nik, L. Ya.; Bogachik, L. I.

33

B

ORG: Kiev Institute of Epidemiology and Microbiology (Kiyevskiy institut epidemiologii i mikrobiologii); Kiev Medical Institute im. Bogomolets (Kiyevskiy meditsinskiy institut); Zaporozh'ye Institute for the Advanced Training of Physicians (Zaporozhskiy institut usovershenstvovaniya vrachey)

TITLE: Ornithosis in some Ukrainian cities

SCURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 11, 1965, 138-139

TOPIC TAGS: epidemiology, antibody

ABSTRACT: The purpose of the investigation was to detect patients with ornithosis and to study the epidemiological and clinical characteristics of the cases discovered, mainly in Kiev and Zaporozh'ye. Twenty cases were discovered among 640 patients and convalescents from diseases with various diagnoses (influenza, pneumonia, typhoid, meningoencephalitis, etc.)

The onset of the diseases was generally abrupt, with elevated temperature and chills, headache, chest pain, and dry cough. Some patients complained of nausea and vomiting, loss of appetite, and insomnia. The feverish period ranged from 6 days to 2-3 weeks. The lungs were involved in al-

Card 1/2

UDC: 616.988.73

L 28431-56

ACC NR: AP6019123

most all cases. Inflammatory foci were found within a day or two after admission to the hospital. The time that complement-fixing antibodies appeared and the height of the titers varied from person to person.

Epidemiological investigation revealed that, with the exception of a single family, the disease was random. Although many individuals were hospitalized late, none of their family or friends contracted the disease, the principal source of which was pigeons. [JPRS]

SUB CODE: 06/ SUBM DATE: 17Dec64

Card 2/2 RB

SOKOL, DR AHO MÍR

✓Preparing a catalyst consisting of porous carrier, e.g.:  
silica or silica gel and pyrophosphoric acid. Drahomír  
Sokol, Czech. 85,700, June 15, 1956. The process of  
mixing  $P_2O_5$  colloidal  $SiC_2$  contg. 80-90%  $H_2O$ , and up to  
5%  $F^-$  with a porous carrier, such as  $SiO_2$  or silica gel, and  
calcining the mixt. 40 hrs. at 200-300° gives a good catalyst  
for alkylation, esterification, and polymerization reactions,  
by a cheaper procedure than the older methods.

L. I. Urbánek

3

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1

SOV/64-59-1-14/24

5(4)

AUTHORS:

Beranek, Ya., Sokol, D.

TITLE:

Theory of the Pseudoliquified Layer (Teoriya psevdoozhizhennogo sloya)

PERIODICAL: Khimicheskaya promyshlennost', 1959, Nr 1, pp 62-68 (USSR)

ABSTRACT: The present paper is a contribution to a sequence of discussions (Refs 1-5). If the particles of a layer in heterogeneous processes (adsorption, drying, calcination, etc) are in dynamic equilibrium with the passing medium (liquid or gas), i.e. they behave like liquids (exert a hydrostatic pressure on the wall of the vessel, are viscous, etc), this layer is called "pseudoliquid". The velocity of transition from a stationary to the "pseudoliquified layer" is called "the critical velocity of pseudoliquefaction". The nature of the movement of particles in the pseudoliquified layer can be divided into some types. Similar to the Archimedean criterion, a dynamic criterion of the quantity  $\Omega$  (which neglects the linear particle size) is derived, and diagrams of the falling speed of spherical particles in the stagnant liquid medium (Fig 1) as well as of particles of various shapes (Fig 2) are plotted. Experiments on the falling speed of a mixture of particles of various

Card 1/2

Theory of the Pseudoliquified Layer

SOV/64-59-1-14/24

shapes were carried out in a device (Fig 3) according to the carrying-away speed, and were represented graphically (Fig 4). For the practical application of the pseudoliquified layer in industries the conditions of transition into the pseudoliquid state, the velocity of gas at which the particles are carried away from the layer, the expansion of the layer and the loss of pressure must be known. Corresponding equations and diagrams (Figs 5-7) are given for the computation of these data. There are 7 figures and 5 references, 2 of which are Soviet.

ASSOCIATION: Nauchno-issledovatel'skiy institut organicheskikh sintezov,  
Pardubitse, Chekhoslovakiya  
(Scientific Research Institute for Organic Syntheses, Pardubice,  
Czechoslovakia)

Card 2/2

SOV/64-59-5-17/28

10(2)  
AUTHORS:

Beránek, J., Sokol, D.

TITLE:

Velocity of Pseudoliquefaction of Particles With Asymmetrical Shape

PERIODICAL:

Khimicheskaya promyshlennost', 1959, Nr 5, pp 430-435 (USSR)

ABSTRACT:

A new method was elaborated for evaluating the phase of the particle in a pseudoliquefied layer, applying the velocity of the free fall and the weight of the particle. The influence of the particle shape is usually considered by a form factor as given in tables (Ref 3). As was shown in a previous paper (Ref 5), the free fall of particles may be described by the function  $\varphi_1(Ar, \Omega) = 0$  (1). The different curves in the diagram  $lg\Omega - lgAr$  (Ref 8) refer to the different functions according to different shapes of the particle. To determine the dynamic properties of the particle in a pseudoliquefied layer the criterion of the dynamic resemblance of particles is introduced, admitting a comparison for constant amounts of the criterion  $Ar$  or of the criterion  $\Omega$ . In spite of the sudden variation of the resistance coefficient, that occurs near the region

Card 1/2

SOV/64-59-5-17/28

Velocity of Pseudoliquefaction of Particles With Asymmetrical Shape

of turbulence (Fig 1), calculations base on the shape of an "ideal" sphere, according to the best resemblance of its fall characteristics to that of real spheres in the laminar and transient region of the flow. The criterion of dynamical resemblance of differently shaped particles may be plotted down in diagrams (Fig 2). The flow velocity of the liquid was measured at the moment of transition into the pseudoliquefied phase for different values (in the laminar, transition and turbulence region) of the criterion, that characterizes the motion of the particles in a liquid (Fig 3). 8 examples of calculation (partly of industrial interest) explain the described method of calculation. There are 6 figures and 8 references, 1 of which is Soviet.

ASSOCIATION: Nauchno-issledovatel'skiy institut organicheskikh sintezov, Pardubitse, Chekhoslovakiya (Scientific Research Institute of Organic Synthesis, Pardubice, Czechoslovakia)

Card 2/2

SOKOL, D.

Fluidization point of irregular particles. Jaroslav Be-  
ránek and Drahomír Sokol (Research Inst. Org. Syntheses,  
Pardubice-Rybitví, Czechoslovakia). Chem. průmysl 9, 5-10  
(1959).—The sedimentation of irregular particles in an infinite fluid space is analyzed, and new criteria of the dynamic similarity of particles are derived. This simplifies the functions describing the dynamic state of a fluidized bed, and makes it possible to det. the velocity of the fluid at the fluidization point. Sample calcns. for 8 hypothetical cases are given. H. Newcombe

SOKOL, D., and SLIN'KO, M. G.

"First International Conference of Techniques of the Pseudo-Liquified Layer in Prague

Kinetika i Kataliz (Kinetics and Catalysis), Vol II, No 4, Moscow,  
July/August 1961, Pages 637-638

SOKOL, D.; SLIN'KO, M.G.

First International Conference in Prague on Fluidization Techniques.  
Kin.i kat. 2 no.4:637-638 Jl-Ag :61. (MIRA 14:10)  
(Fluidization--Congresses)

BERANEK, Jaroslav, inzh.; SOKOL, Drakhomir [Sokol, Drahomir], inzh.;  
AYNSHTEYN, V.G., kand. tekhn. nauk, [translator]; GEL'PERIN,  
N.I., doktor tekhn. nauk, prof., red.; TITSKAYA, B.F., ved. red.;  
POLOSINA, A.S., tekhn. red.

[Techniques of fluidization]Tekhnika psevdozashcheniya. Pod red.  
N.I.Gel'perina. Moskva, Gostoptekhizdat, 1962. 159 p. Translated  
from the Czech. (MIRA 15:12)

(Fluidization)

MAYSTRENKO, K.M.; VASIL'YEV, N.P., poyezdnoy dispatcher; SOKOL, E.N., inzh.

Efficiency of the "through intervals" system in track maintenance  
and repair work. Zhel.dor.transp. 46 no.3:80-82 Mr '64.  
(MIRA 17:3)

1. Glavnny inzh. Kirovskogo otdeleniya Gor'kovskoy dorogi (for  
Maystrenko).

KRETOV, N.Ye. (g. Kirov); SOKOL, E.N., inzh. (g. Kirov)

Compacted loading of freight cars. Zhel. dor. transp. 47 no.5:  
36-37 My '65. (MIRA 18:6)

1. Starshiy kommercheskiy revizor Kirovskogo otdeleniya Gor'-kovskoy dorogi (for Kretov).

SOKOL, Ev.

A great humanist; 100th anniversary of the birth of A.P.Chekhov.  
Vestis Latv ak no.1:187-192 '60. (EEAI 9:11)  
(Chekhov, Anton Pavlovich)  
(Russian literature--History and criticism)

S.P.I., F.

Contribution to study of the causes of flood damage in the torrent area of the upper basin of the Morava River. p.143. Ceskoslovenska akademie zemedelskych vied. SBORNÍK RADA LESNICTVÍ. Praha. Vol. 28, no. 1, Feb. 1955

SOURCE: East European Accessions List, (EEAL), Library of Congress,  
Vol. 4, No. 12, December 1955

SOKOL, Frantisek

Some physical and chemical properties of the tobacco mosaic virus purified by a combined chemical and sedimentation method. Acta virol. Engl. Ed., Praha 1 no.2:79-82 Apr-June 57.

1. Institute for Virology, Czechoslovak Academy of Sciences, Bratislava.  
(VIRUSES

tobacco mosaic virus, purification by chem.-sedimentation  
method, phys. & chem. properties)

SOKOĽ, F.

Some physical properties of the tobacco-mosaic virus purified by the combination of chemical and sedimentation methods. p. 126. (Chemicke Zvesti Vol. 11, no. 2 February 1957) Bratislava

SO: Monthly List of East European Accession (EEAL) LC Vol. no. 7 July 1957. Uncl.

SOKOL, F.; SZURMAN, J.

Isolation of ribonucleic acid from purified influenza Virus  
preparation by Phenol Extraction. Acta virol. Engl. Ed., Praha 3  
no.3:175-180 July, 1959

1. Institute of Virology, Czechoslovak Academy of Sciences,  
Bratislava.

(INFLUENZA VIRUSES, chem)  
(RIBONUCLEIC ACID, chem)

EXCERPTA MEDICA Sec 4 Vol 13/6 Med. Micro. June 60

2133. INFECTIOUS RIBONUCLEIC ACID FROM MOUSE BRAINS INFECTED  
WITH TICK-BORNE ENCEPHALITIS VIRUS - Sokol F., Libikova H.  
and Zemla J. Inst. of Virol., Czechoslovak Acad. of Scis, Bratislava -  
NATURE (Lond.) 1959, 184/suppl. 20 (1581) Tables 1

Infectious ribonucleic acid was prepared from mouse brains infected with the HYPR strain of tick-borne encephalitis virus by the method of Gierer and Schramm. Ribonuclease destroyed the activity of this ribonucleic acid, heating at 37° C. for 25 min. did not. Intracerebral inoculation of mice with the ribonucleic acid fraction resulted in death of the animals with typical histological lesions. The virus derived from these animals could be identified by neutralization tests using specific immune  $\gamma$ -globulin.

Kalter - Atlanta, Ga.

SOKOL, F.; LIBIKOVA, H.; ZEMLA, J.

Properties of infectious ribonucleic acid derived from brains  
of mice infected with tick-borne encephalitis virus. Acta virol.  
Engl. Ed. Praha 4 no.2:65-74 Mr '60

1. Institute of Virology, Czechoslovak Academy of Sciences,  
Bratislava.

(RIBONUCLEIC ACID chem.)  
(BRAIN chem.)  
(ENCEPHALITIS EPIDEMIC exper.)

ALBRECHT, P.; SOKOL, F.

Optimal conditions for conjugation of 1-dimethylaminonaphthalene-  
5-sulfonyl chloride with  $\gamma$ -globulin. Folia microbiol 6 no.1:49-54.  
'60. (EEAI 10:5)

1. Institute of Virology, Czechoslovak Academy of Sciences,  
Bratislava.  
(GAMMA GLOBULIN) (DANSYL CHLORIDE)

BLASKOVIC, Dionyz; SOKOL, Frantisek

Incomplete forms of influenza virus. Biologia 15 no.2:133-149  
'60. (EEAI 9:5)

1. Virologicky ustav Ceskoslovenske akademie ved, Bratislava.  
(INFLUENZA) (VIRUSES)

KRIZANOVA-LAUCIKOVA, O.; SZANTO, J.; KOCISKova, D.; RUTTKAY-NEDECKY, G.;  
SOKOL, F.

Differences in the properties of two inhibitors against avid A2  
influenza virus strains from horse serum. Acta virol. Engl. Ed. Praha  
5 no.1:12-18 Ja '61.

1. Institute of Virology, Czechoslovak Academy of Sciences,  
Bratislava.

(INFLUENZA VIRUSES immunol)  
(BLOOD PROTEINS chem)

SOKOL, F.; BLASKOVIC, D.; ROSENBERG, M.

Subunits of myxoviruses. I. Treatment of Newcastle disease, para-influenza 1 and mumps viruses by ether. Acta virol. Engl. Ed. Praha 5 no.2:65-77 Mr '61.

1. Institute of Virology, Czechoslovak Academy of Sciences,  
Bratislava.

(VIRUSES pharmacol)  
(ETHER ETHYL pharmacol)

SOKOL, F.; ZEMLA, J.; MAYER, V.; LIBIKOVA, H.

Infectious ribonucleic acid from purified tick-borne encephalitis virus. Acta virol. Engl. Ed. Praha 5 no.2:132 Mr '61.

I. Institute of Virology, Czechoslovak Academy of Sciences,  
Bratislava.  
(ENCEPHALITIS EPIDEMIC virol)  
(RIBONUCLEIC ACID)

SOKOL, F.; BLASKOVIC, D.; KRIZANOVA, O.

Subunits of myxoviruses. II. Properties of Haemagglutinins of Newcastle disease, para-influenza 1 and mumps viruses. Acta virol. Engl. Ed. Praha 5 no.3:153-159 My '61.

1. Institute of Virology, Czechoslovak Academy of Sciences, Bratislava.

(NEWCASTLE DISEASES virol)  
(INFLUENZA VIRUSES immunol)  
(MUMPS virol)  
(VIRUSES immunol)

MAYER, V.; SOKOL, F.; VILCEK, J.

Effect of interferon on the infection with eastern equine encephalo-myelitis (EEE) virus and its ribonucleic acid (RNA). Acta virol. Engl. Ed. Praha 5 no.4:264 Jl '61.

1. Institute of Virology, Czechoslovak Academy of Sciences, Bratislava.

(ENCEPHALOMYELITIS EQUINE exper)  
(RIBONUCLEIC ACID)

MAYER, V.; SOKOL, F.

Quantitative plaque assay of infectious ribonucleic acid (RNA) of  
eastern equine encephalomyelitis (EEE) virus. Acta virol.~~Mag. Ed. Praha~~  
5 no.4:26-31 Jl '61.

1. Institute of Virology, Czechoslovak Academy of Sciences, Bratislava.

(ENCEPHALOMYELITIS EQUINE exper)  
(RIBONUCLEIC ACID)

BLASKOVIC, D.; SOKOL, F.; KOCISKOVA, D.; technical assistance: RAUS, J.  
VANOO, K.

Subunits of myxoviruses. III. Antigenic properties of Newcastle disease, para-influenza 1 (Sendai) and mumps viruses of their haemagglutinins and "g-antigens". Acta virol. Engl. Ed. Praha 5 no.5:294-304 S '61.

1. Institute of Virology, Czechoslovak Academy of Sciences, Bratislava.

(NEWCASTLE DISEASE virol)  
(INFLUENZA VIRUSES immunol)  
(MUMPS virol)  
(HEMAGGLUTINATION)

HANA, L.; KRIZANOVA, O.; STYK, B.; SOKOL, F.

Some data on the nature of the cofactor enhancing the activity of  
imperfect antibodies against A2 influenza virus strains. Acta virol.  
Engl.Ed.Praha 5 no.5:325 S '61.

1. Institute of Virology, Czechoslovak Academy of Sciences, Bratislava.  
(INFLUENZA VIRUSES immunol)

NEURATH, A. R.; SOKOL, F.

Haemolysis by Sendai virus. Acta virol. Engl. Ed. Praha 5 no. 5:327 S '61.

1. Institute of Virology, Czechoslovak Academy of Sciences, Bratislava.

(HEMOLYSIS)  
(INFLUENZA VIRUSES immunol)

SOKOL, F., HANA, L.; ALBRECHT, P.

Quantitative determination of 1-dimethylaminonaphthalene-5-sulfonic acid and protein in labeled  $\gamma$  globulin. *Folia microbiol* 6 no.3: 145-150 '61.

1. Institute of Virology, Czechoslovak Academy of Sciences,  
Bratislava.  
(GAMMA GLOBULIN) (DIMETHYLMINONAPHTHALENE SULFONIC ACID)  
(PROTEINS)

NEURATH, A. R.; SOKOL, F.

Subunits of myxoviruses. IV. Haemolysin of para-influenza 1 (Sendai) virus. Acta virol. (Praha)[Eng]6 no.1:66-76 Ja '62.

1. Institute of Virology, Czechoslovak Academy of Sciences, Bratislava.

(VIRUSES)

SOKOL, F.; NEURATH, A. R.

Subunits of myxoviruses. Acta virol. (Praha) [Eng] 6 no. 2: 122-126  
Mr '62.

1. Institute of Virology, Czechoslovak Academy of Sciences, Bratislava.

(VIRUSES) (HEMOLYSIS)

SOKOL, F.; SCHRAMEK, S.

Base composition of the ribonucleic acid of A2 influenza virus. Acta  
virol. (Praha) [Eng] 6 no.4:373 J1 '62.

1. Institute of Virology, Czechoslovak Academy of Sciences, Bratislava.

(RIBONUCLEIC ACID virology)  
(INFLUENZA VIRUSES chemistry)

SOKOL, F.; HULKA, A.; ALBRECHT, P.

Fluorescent antibody method. Conjugation of fluorescein isothiocyanate with immune  $\gamma'$ -globulin. Folia microbiol. 7 no.3:155-161 '62.

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Institution: None

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